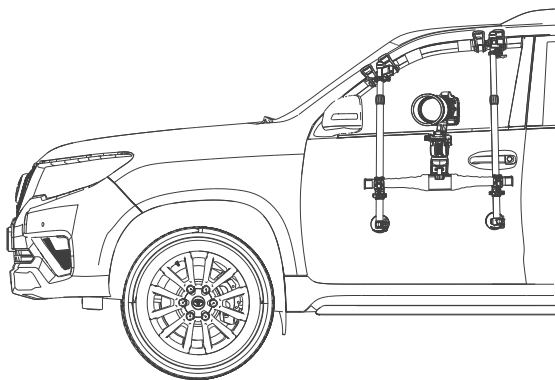


SmallRig

Camera Slider Support Kit for Cars

横移车拍器支撑件套件



Operating Instruction / 操作指引

Thank you for purchasing SmallRig's product.

This manual provides detailed instructions on the installation and use of the car camera stabilizer.

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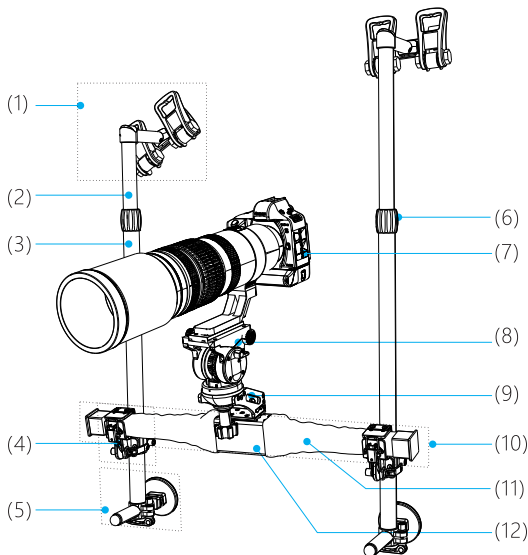
16

In the Box

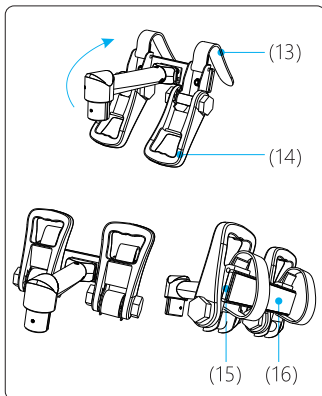
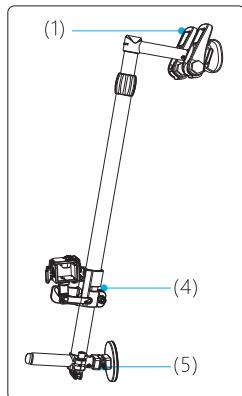
Telescopic Rod	× 2	Dust and Water-resistant Seal	× 1
Suction Cup	× 2	Storage Bag	× 1
Car Door Protector Cover	× 2	Operating Instruction	× 1
Pan & Tilt Unit	× 1		

Chapter 1 Mounted car camera slider structure diagram

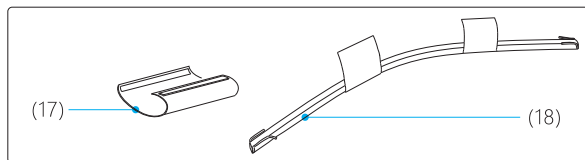
1. Mounted car camera slider structure diagram



2. Telescopic rod assembly diagram 3. Car door hanger assembly diagram

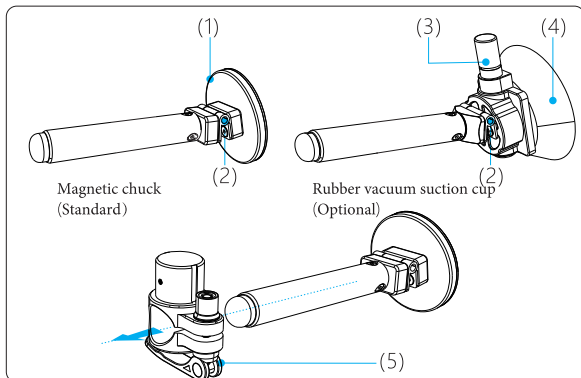


4. Car door frame protective cover and weather stripping diagram



- | | | |
|--|---|--|
| (1). Car door hanger assembly | (7). Digital camera (Demonstration items, not included) | (14). Ratchet tensioner handle |
| (2). Telescopic rod inner tube | (8). Head (Demonstration items, not included) | (15). Aluminum alloy door frame pressing plate |
| (3). Telescopic rod outer tube | (9). Inclined bowl head adapter (Optional) | (16). Rubber plate of car door frame |
| (4). Crossbar height adjustment assembly | (10). Lateral tripod head movement assembly | (17). Car door frame protective cover |
| (5). Magnetic chuck support assembly | (11). Dust proof cover | (18). Weather stripping |
| (6). Telescopic rod knob | (12). Slider base assembly | |
| | (13). Ratchet strap | |

5. Magnetic chuck support assembly diagram



(1). Magnetic chuck

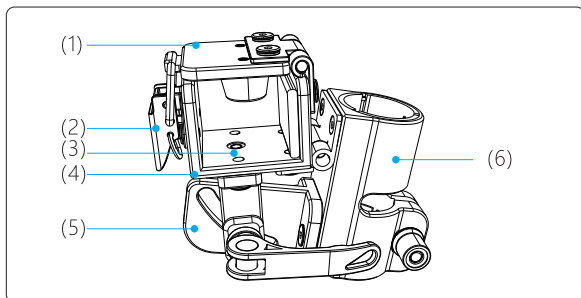
(2). Damping hinge

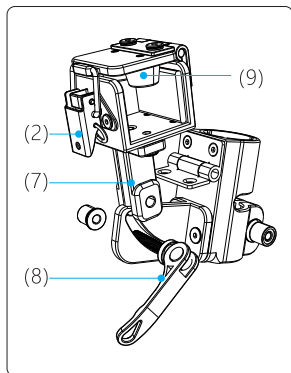
(3). Vacuum pump push

(4). buttonHand pump vacuum
suction cup

(5). Quick release
bolt wrench

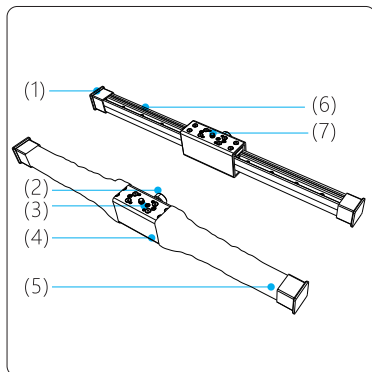
6. Crossbar height adjustment assembly





- (1). Crossbar placement groove cover
- (2). Aircraft buckle
- (3). Air level
- (4). Crossbar placement groove
- (5). Crossbar placement groove T-shaped support bracket
- (6). Crossbar height adjuster
- (7). Crossbar placement groove T-shaped horizontal adjustment bracket
- (8). Quick release bolt
- (9). Black rubber feet

7. Lateral tripod head movement assembly diagram

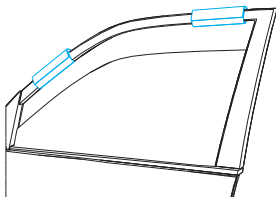


- (1). PVC rubber square cover
- (2). Aluminum alloy handle
- (3). Air level
- (4). Slider base
- (5). Dust proof cover
- (6). Inner double axis linear slider rail
- (7). 3/8 screws

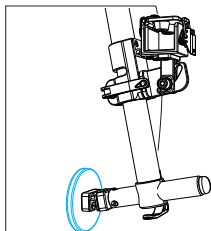
Chapter 2 Mounted car camera slider installation instructions

Part 1 : Installation of telescopic rod with magnetic chuck

1. Install the car door frame protective cover: 2. Install the magnetic chuck:

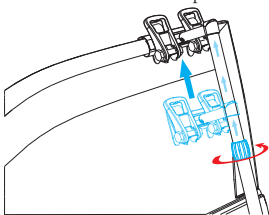


Open the door and lower the window. Wrap the protective cover around the door frame and tighten it, securely attach the Velcro on the fabric cover.

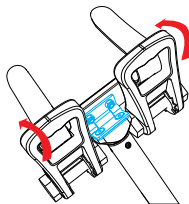


Select an appropriate position on the car door and attach the magnetic chuck to it.

3. Installation of telescopic rod:

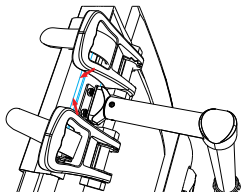


(1). Rotate the knob of the telescopic rod and extend the upper part of the holder to the position of the car door frame. Then, tighten the knob.

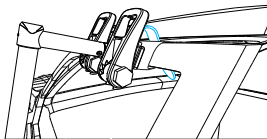
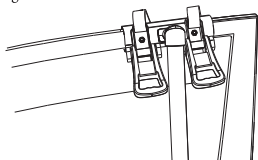


(2). Adjust the car door hanger assembly of the telescopic rod.

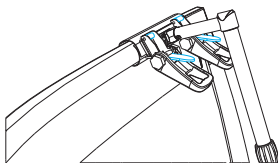
Note: Adjust the rotatable car door hanger assembly to align with the curvature of the door.



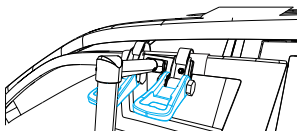
(3). Position the door frame rubber pressing plate of the car door hanger assembly in the same direction as the curved door frame, then press it tightly against the door frame.



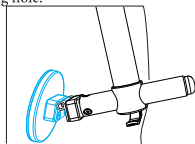
(4). Thread the ratchet strap through the door frame.



(6).After the ratchet strap passes through the car door frame, pass it from the inside out through the ratchet locking hole.



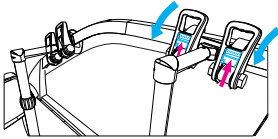
(7).Swing the handle of the ratchet tensioner up and down to tighten the strap until the telescopic rod car door hanger assembly is securely attached to the door frame.



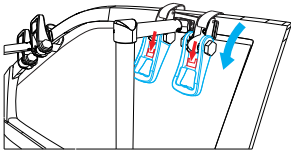
(8).Move and slightly adjust the angle of the magnetic chuck hinge to ensure the magnetic chuck fit better with the door surface.

Note: Follow these steps to release the strap(Cannot directly pull to release)

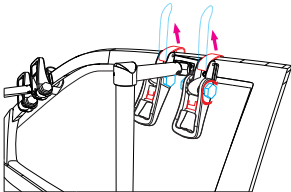
Steps of strap unfastening:



1. Push the unlocking latch of the ratchet to the bottom in the direction of the red arrow, then pull the handle. While pulling the handle, do not release the unlocking latch; keep it pushed to the bottom.



2. Pull the ratchet handle until it reaches the extreme position (the ratchet handle aligns nearly in a straight line with the locking mechanism). While keeping the unlock latch pushed down to the bottom, you can then pull the strap out from the locked position on the pivot axis.



3. While still keeping the unlocking latch pushed to the bottom, rotate the ratchet axis towards the inside of the car. The strap can be pulled out to freeing the ratchet tensioner from the door frame.



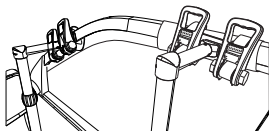
Explanation: Why choose a ratchet tensioner to secure the telescopic rod to the car door frame?

The ratchet tensioner offers several advantages:

- (1). Safety and reliability: The unidirectional transmission feature of the ratchet gear ensures movement in only one direction. Once installed, it prevents loosening.
- (2). Safety and durability: The steel frame is crafted from carbon steel, and the strap is made of a robust acid and alkali-resistant polypropylene fiber material, ensuring safety and durability.
- (3). Non-damaging to the vehicle body: The use of flat woven straps made from fiber materials ensures that force points are dispersed, providing a soft and non-damaging surface to the car body paint.
- (4). Tremendous pulling force: With a 1-inch/25mm wide woven strap, each ratchet tensioner can generate a pulling force of 800 kilograms, totaling 3200 kilograms (1.6 tons) for all four.
- (5). Quick installation and removal, easy to operate, time and labor-saving.

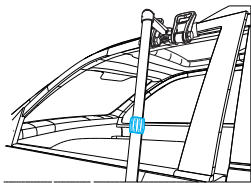
Note: If the car has aluminum doors and magnetic chuck cannot adhere, rubber vacuum suction cups need to be used.

Installation of rubber vacuum suction cups:

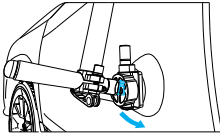


Rubber vacuum suction cups are optional accessories.

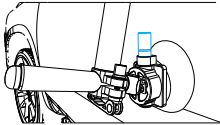
1. Follow steps (2)-(7) of point 3 on pages P5-P6 to securely attach the car door hanger assembly to the car door frame.



2. Loosen the knob in the middle of the telescopic rod, pull out the inner rod to the appropriate length (allow the suction cups to adhere to a relatively flat area on the car door, adjusting the height according to different car models), and then tighten the knob to secure the length of the telescopic rod.



3. Adjust the angle of the suction cups based on the curvature of the car door surface, ensuring that the suction cups fully adhere to the car door surface.



4. Press the button above the suction cup's vacuum pump to securely attach the suction cup to the car door (Until it unable to pull the telescopic rod outward with force).

Explanation: Why choose the magnetic chuck as the standard assembly

The load-bearing capacity of the Mounted car camera slider mainly depends on the ratchet; the magnetic chuck is not the load-bearing point, just for positioning points to prevent the rod from sliding. Even if the vacuum suction cups deflate and loosen, resulting in the loss of magnetic force, the car mount will not detach. The load-bearing capacity of the car mount remains unchanged, ensuring the safety of the photography equipment.

The unique advantages of magnetic chuck :

1. Magnetic chuck, the suction force is more powerful in extremely cold weather (minus 30 degrees/40 degrees/50 degrees).
 2. The magnetic chuck is not affected by wind, sand and rain, and does not require special protection.
 3. The magnetic chuck prevents the vacuum suction cup from loosening immediately after sudden air leakage on the car door.
 4. Long service life.
 5. The magnetic chuck is extremely easy to install. It is close to the car door and will automatically attract the sticker.
 6. The magnetic chuck can be used on doors made of iron and alloy materials; it cannot be used on doors made of pure aluminum.
 7. 88mm diameter magnetic chuck, suction force 40-50 kg.
 8. Does not damage the car door. The outside of the magnetic chuck is injection molded
- Note: At high temperatures above 75 degrees, the magnet's section power will decrease. If you need a magnetic chuck that can withstand higher temperatures, it can be customized.

Explanation: What are the advantages and disadvantages of the optional rubber vacuum suction cups?

For some models with all-aluminum doors where magnetic chuck cannot adhere, rubber vacuum suction cups are required. Here are the characteristics of rubber vacuum suction cups:
Advantages:

1. Suitable for all car models.
2. Suction power of 60 kilograms.
3. Rubber does not damage the car door.

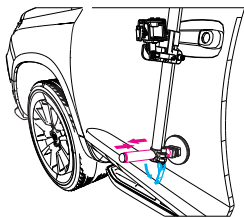
Disadvantages:

1. It is easily affected by the external environment when used outdoors.
2. In extremely cold weather (down to $-30^{\circ}\text{C}/-40^{\circ}\text{C}/-50^{\circ}\text{C}$), the suction cups may harden and become unable to install.
3. Wind, sand, and mud greatly affect the quality of the suction cups, Seriously affects suction force and lifespan.
4. If the rubber vacuum suction cups deflate, they may become loose.

Warm tips: Users can combine the characteristics of both types of suction cups and choose the appropriate type based on factors such as door material and usage scenario.

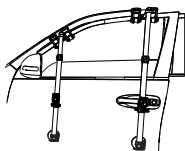
Part 2: Adjustment of the crossbar height adjustment assembly

1. Adjustment of the distance between the telescopic rod and the car door:



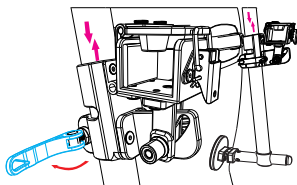
(1). Loosen the screw under the magnetic chuck support rod connection head with a screwdriver, allowing the support rod to slide freely within the connection head. Adjust the distance between the telescopic rod and the car door based on the thickness of the car door handle and the length of the camera lens. Ensure that the door can be smoothly opened by pulling the handle.

Note: The crossbar is not yet installed at this time, so it is necessary to predict the distance between the crossbar and the car door based on experience after installing the crossbar.

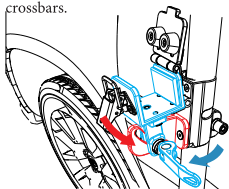


- (2). Choose the appropriate installation location according to the width of the door and install the second telescopic rod in the same way.

2. Height adjustment:

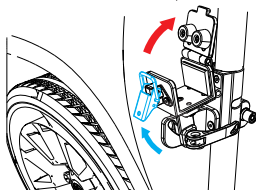


Loosen the bolt wrench on the back of the crossbar height adjustment block, crossbar height adjustment assembly can be slid up and down on the telescopic rod, adjust the crossbar height adjustment assembly of the two telescopic rods at the same height to ensure the horizontal balance of the crossbars.

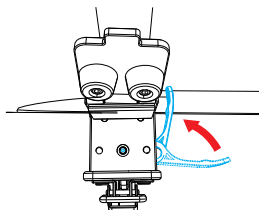


- (2). Loosen the screw wrench of the T-shaped horizontal adjustment base in the crossbar placement slot, and slide the T shaped adjustment base along the arc shaped how of the support base.

3. Horizontal balance adjustment:



- (1). Pull up the wrench of the buckle to release the buckle ring and open the slot cover.

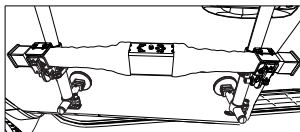
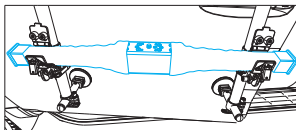
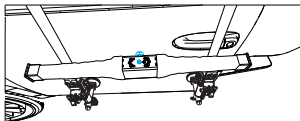


- (3). Observe the horizontal beads in the groove and adjust it until it is in the middle, to ensure the horizontal balance. Re-tighten and pull back the screw wrench to secure the adjustment base.

Warm tips: The height of the crossbar should be adjusted according to the height of the tripod head and the height of the shooting subject .

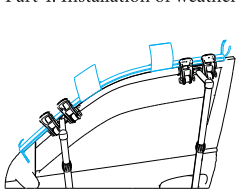
Part 3: Installation of Lateral tripod head movement assembly

1. Stretch the dust proof cover on the crossbar straightly from both sides to the middle. With the slide rail locking knob facing the car door and the 3/8 nut facing up, put it into the cross bar placement slot from top to bottom.

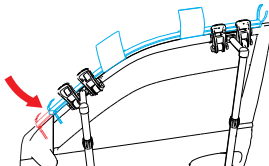


2. Close the slot cover,lock the recessed position of the slot cover with the buckle, press the buckle wrench,Reinsert the latch and press the rubber feet under the slot cover tightly against the crossbar.

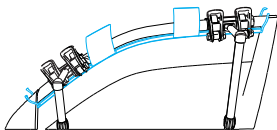
Part 4: Installation of weather stripping



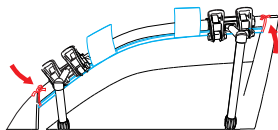
1. Align the weather stripping with the car door frame.



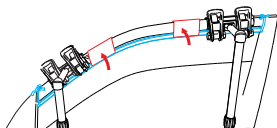
2. Cut the sponge of the weather stripping according to the length of the car door frame.



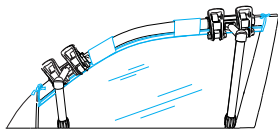
3. Place the weather stripping directly under the car door frame.



4. Tie the straps on both sides of the weather stripping to the car door frame.

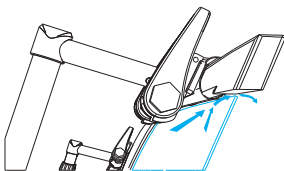


5. Wrap the fabric on the weather stripping around the car door frame and stick tightly to secure the weather stripping under the car door frame.

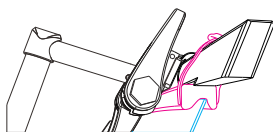


6. With the weather stripping in place, the car window glass can fully close, preventing sand, wind, rain, or snow from entering the car.

Explanation: Why install weather stripping.



1. The car camera is tied to the car door frame through a ratchet. After the window glass is raised, there will be a gap; Wind, sand and dust will blow into the car through the gaps, and rain will fly in. In extremely cold weather, the car's insulation effect will be reduced.



2. After installing the weather stripping, raise the window, and the glass will push up against the soft sponge core in the weather stripping. The gap between the sponge and the door frame will be filled. At the same time, the glass and the sponge will form a concave angle, which is completely closed. Prevent dust, wind, sand and rain from intruding into the car.

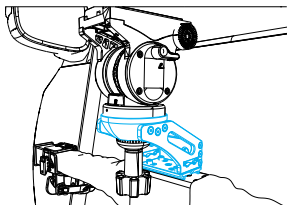
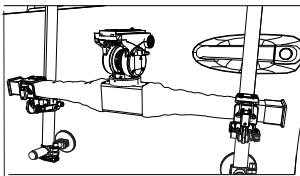
Part 5: Installation of digital camera

1. Using a mechanical head

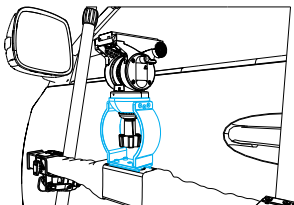
Directly screw the mechanical tripod head onto the 3/8 nut of the tripod head slider base.

2. Using a bowl head

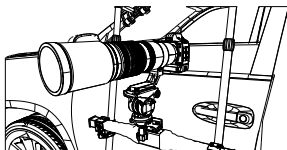
If using a bowl head, first install either the inclined bowl head adapter or the upright bowl head adapter on the slider base (both adapters are optional and can be selected based on shooting preferences).



Inclined bowl head adapter



Upright bowl head adapter



3. Attach the digital camera (with a telephoto lens) to the head's quick-release plate by hand-tightening the nut.

Warm tips: If the shooting position is not comfortable enough, you can readjust the distance between the telescopic holder and the car door.

Chapter 3 Product Specifications and technical parameters

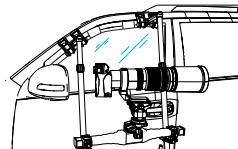
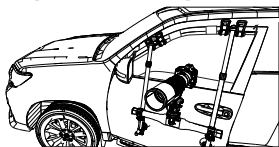
Main specification and parameter of Mounted car camera slider :

Net weight	7.5kg
Gross weight	8kg
Packing dimension	900×365×190mm
Load capacity	During motion≤30kg Static state≤80kg
Main materials	Carbon fiber, Aluminum alloy
Rail length	750mm
Lateral movement range	Max 500mm
Telescopic rod length	Fully retracted780mm, fully extended1210mm
Ratchet tensioner pulling force	800kg/pc, total 3200kg for 4 pcs

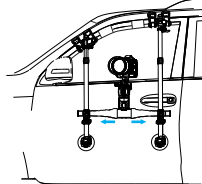
Chapter 4 Tips for using Mounted car camera slider

1. You can freely raise and lower windows, open and close doors, and drive the vehicle without removing the camera.

It doesn't hinder normal door operations without remove the camera. Align the camera and lens parallel to the door to operate windows and drive the vehicle.



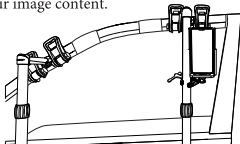
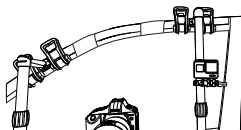
2. Camera horizontal movement for full-angle shooting in front of the window and camera motion shooting.



Keep the camera perpendicular to the horizontal slider of the telescopic holder. Horizontally move the slider base to track and capture subjects, achieving a camera motion shooting effect.

3. Mounting action cameras or cellphones on the telescopic rod:

Mount action cameras or cellphones on the telescopic holder. Capture scenes both inside and outside the car, effortlessly enriching your image content.



Chapter 5 Safety precautions of Mounted car camera slider

For safe use of the product, be sure to read these precautions. Please follow these precautions to prevent damage or injury to user or others.

1. Do not place the product in a high place to avoid falling and causing injury.
2. Do not disassemble the product forcibly to avoid injury; please keep screws and other small parts out of children's reach to prevent accidents.
3. Do not subject the product to strong impacts.
4. Do not clean the product with organic solvents such as alcohol, gasoline, or paint thinners.
5. Do not insert foreign objects or pour liquids into the product.
6. Do not submerge the product in water for extended periods.
7. Do not use the product in environments where flammable gases may be present.
8. Do not install or operate the product outside the car during thunderstorms.

9. Do not place loads exceeding the product's weight capacity on it.
10. Keep the product away from power sources to avoid the risk of electric shock.
11. Ensure the product is securely installed before use.

Service & Warranty

Please keep your original receipt and guarantee card. Be sure the dealer has written on it the date of purchase and SN of the product. These are required for warranty service.

After-sale Warranty Terms

SmallRig products are entitled to warranty services as of the date of payment.

- Electronic products (except V mount battery): 1-year warranty.
- V mount battery: 2-year warranty.
- Non-electronic products: 2-year warranty.

Note: In case of any conflict between our warranty period policy and applicable laws and regulations of the country / region where the products are sold, the latter shall prevail.

This Warranty Does Not Cover

1. If users fail to adhere to the "Operating Instruction" or any "Warnings" stated in the user manual, resulting in a quality failure, it falls outside the scope of warranty coverage.
2. The product identification or SN label is removed or defaced in any way.
3. Product damage caused by problems not attributable to the quality of the products such as improper use of the products.
4. Product damage caused by unauthorized modification, disassembly, repair and other acts.
5. Product damage caused by fires, floods, lightning and other force majeure factors.

Warranty Mode

- For the products within the scope of warranty, SmallRig will repair or replace them on the basis of specific failures; the repaired / replaced products / parts are entitled to the remaining part of the original warranty period.

Contact Information

- You're advised to contact the online customer service personnel of corresponding shopping platform and submit a repair service application.
- You may also apply for repair service through SmallRig's service email.

Service Email: support@smallrig.com

EC	REP	GAVIMOSA CONSULTORIA, SOCIEDAD LIMITADA, CASTELLANA 9144, 28046 Madrid, compliance.gavimosa@outlook.com
----	-----	---

UK	REP	Sea&Mew Accounting Ltd, Electric Avenue Vision 25, London, Enfield EN3 7GD, info@seamew.net
----	-----	---

Guarantee Card

ID No.	
Item Name	
Purchase Date	
User Name	
Mobile	
Address	
Receipt	

Manufacturer Email: support@smallrig.com

Manufacturer: Shenzhen Leqi Innovation Co., Ltd.

Add: Rooms 101, 701, 901, Building 4, Gonglianfuji Innovation Park, No. 58, Ping'an Road,
Dafu Community, Guanlan Street, Longhua District, Shenzhen, Guangdong, China.

Consignor: Shenzhen LC Co., Ltd.

Add: Room 201, Building 4, Gonglianfuji Innovation Park, No. 58, Ping'an Road,
Dafu Community, Guanlan Street, Longhua District, Shenzhen, Guangdong, China.

RoHS

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Made in China

感谢您购买 SmallRig 产品。

本说明书对车拍器的安装及使用方法有详细的说明。

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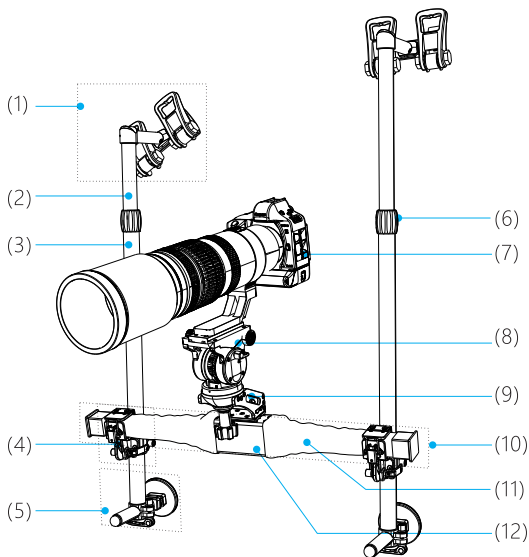
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包装清单

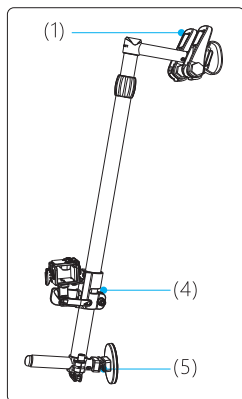
伸缩杆组件	× 2	防尘防水条	× 1
吸盘组件	× 2	收纳包	× 1
车门防护布	× 2	操作指引	× 1
横移云台组件	× 1		

第一章 横移云台车拍器结构图示

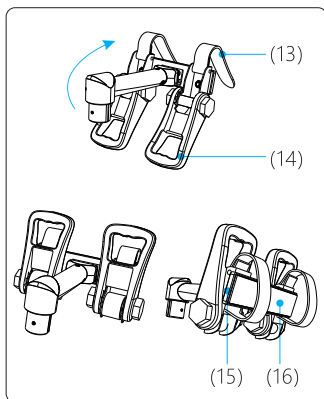
1. 横移云台车拍器产品结构示意图



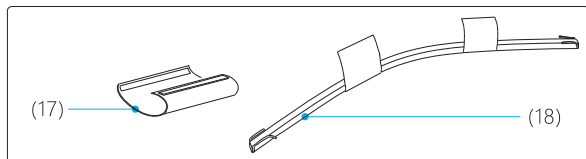
2. 伸缩杆组件示意图



3. 车门挂杆组件示意图

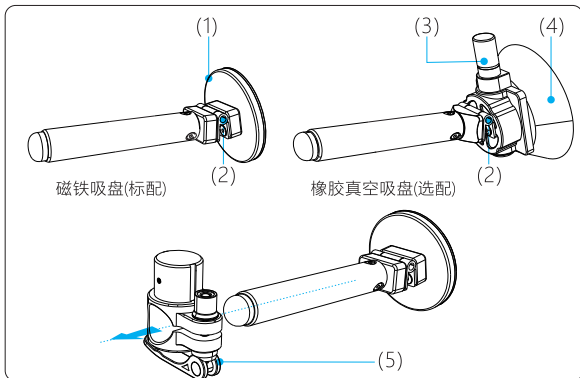


4. 车门框防护布及防尘防雨条示意图



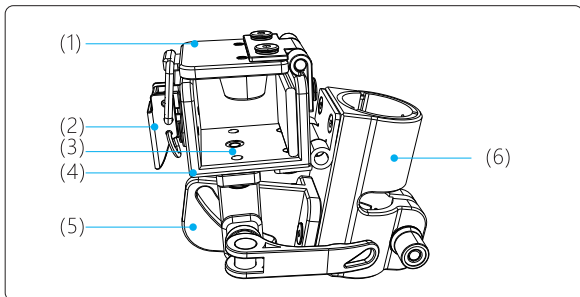
- | | | |
|---------------|---------------------|----------------|
| (1). 车门挂杆组件 | (7). 数码相机 (演示品, 不含) | (13). 棘轮绑带 |
| (2). 伸缩杆内管 | (8). 云台 (演示品, 不含) | (14). 棘轮拉紧器把手 |
| (3). 伸缩杆外管 | (9). 斜式碗口云台转接座(选购) | (15). 铝合金车门框压板 |
| (4). 横杆高度调节组件 | (10). 横移云台组件 | (16). 车门框橡胶压板 |
| (5). 磁铁吸盘支撑组件 | (11). 防尘布套 | (17). 车门门框防护布 |
| (6). 伸缩杆旋钮 | (12). 云台滑块座组件 | (18). 防尘防雨条 |

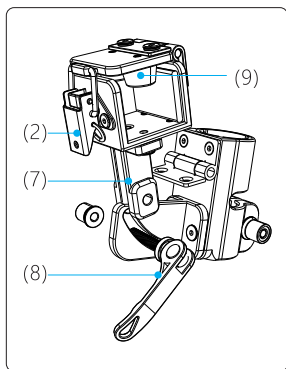
5. 吸盘支撑组件示意图



- (1). 磁铁吸盘 (3). 真空泵按压按钮 (5). 快拆螺栓扳手
(2). 阻尼铰链合页 (4). 手泵真空吸盘

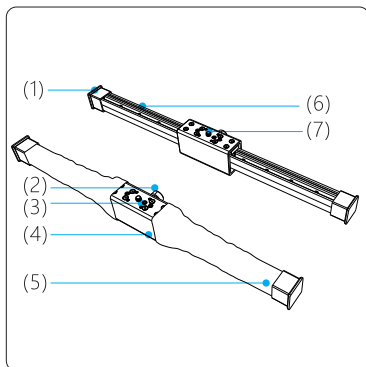
6. 横杆高度调节组件示意图





- (1). 横杆放置槽盖板
- (2). 飞机搭扣
- (3). 水平珠
- (4). 横杆放置槽
- (5). 横杆放置槽T型支撑座
- (6). 横杆高度调节块
- (7). 横杆放置槽T型水平调节座
- (8). 快拆螺栓
- (9). 黑色橡胶脚

7. 横移云台组件示意图

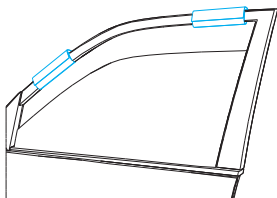


- (1). PVC软胶方外套
- (2). 铝合金手柄
- (3). 水平珠
- (4). 云台滑块座
- (5). 防尘布套
- (6). 内置双轴心直线滑轨
- (7). 3/8 螺钉

第二章 横移云台车拍器安装说明

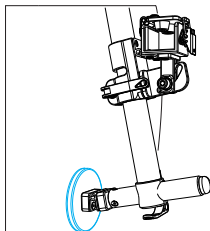
第一部分：磁铁吸盘伸缩杆安装

1. 安装车门门框防护布：



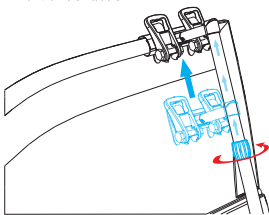
打开车门，降下玻璃，防护布包住车门门框并收紧，把布块上的魔术贴贴贴好

2. 安装磁铁吸盘：

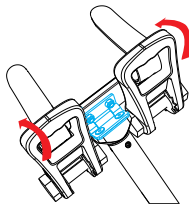


选择车门合适的位置，磁铁吸盘吸在车门上

3. 安装伸缩杆：

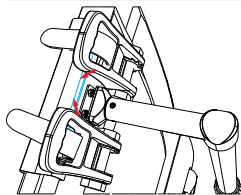


(1). 旋转伸缩杆旋钮，拉出伸缩杆上部到汽车车门框位置后，重新旋紧旋钮

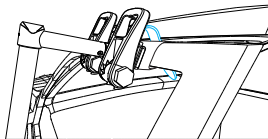


(2). 旋转伸缩杆的车门挂杆组件

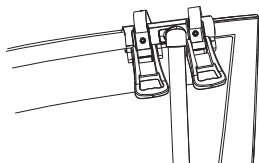
说明：车门挂杆组件可旋转，旋转到与车门曲形基本一致。



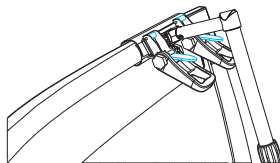
(3). 将车门挂杆组件的门框橡胶压板与曲形的门框同向，然后紧贴门框



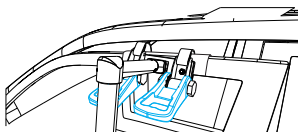
(4). 棘轮拉紧器的绑带穿过车门框



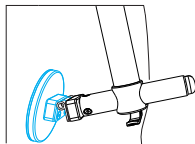
(5). 打开棘轮拉紧器的手柄



(6). 棘轮拉紧器的绑带穿过车门框后，从里往外穿过棘轮锁紧孔



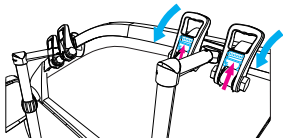
(7). 上下往复摆动棘轮拉紧器的把手，带动绑带收紧，直到伸缩杆车门挂杆组件与车门框紧紧相连



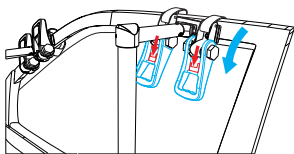
(8). 移动并略微调整磁铁吸盘合页的角度，让吸盘与车门表面更加贴合

注意：棘轮拉紧器的绑带收紧后是无法直接通过拉扯解开的，需按以下步骤解绑

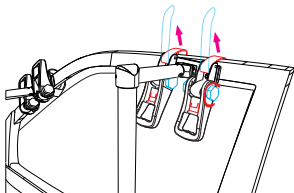
绑带解绑步骤如下：



1. 如红色箭头方向推移棘轮的解锁扣到底，然后扳动手柄，在扳动手柄的时候，不能松开解锁扣，保持解锁扣推到底的状态。



2. 扳动的棘轮手柄一直扳到极限位置（棘轮手柄与锁紧机构近乎同一直线），同时保持解锁扣推到底的状态。



3. 继续保持解锁扣推到底的状态下，往车内方向转动棘轮轴，即可拉出绑绳，解除棘轮拉紧器与车门框的绑定。



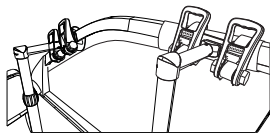
说明：为什么选用棘轮拉紧器紧固车拍器和汽车门框？

因为棘轮拉紧器，有以下几方面优点：

- (1). 安全可靠。棘轮齿轮具有单向传动特性，只能在一个方向上运动，安装后，不会出现松动。
- (2). 安全耐用。碳钢打造钢架，强力耐酸碱涤纶纤维材质组合而成的织带，安全耐用。
- (3). 不伤车体。采用纤维材质扁平织带组合而成，受力点分散、柔软、不伤车体漆面。
- (4). 拉力巨大。采用1英寸/25mm宽织带，1个棘轮拉紧器的拉力800公斤，四个合计拉力3200公斤。
- (5). 装卸快速，易于操作，省时省力。

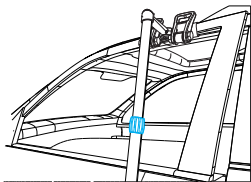
注意：如果汽车是全铝车门，磁铁无法吸住，则需要使用橡胶真空吸盘

安装橡胶真空吸盘的方法：

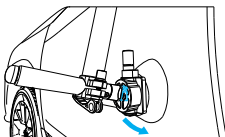


橡胶真空吸盘为选配件

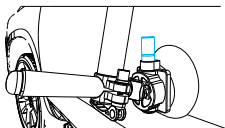
1. 按P5-P6页，第3点(2)~(7)步骤，把车门挂杆组件绑紧在车门框上



2. 旋松伸缩杆中间的旋钮，拉出伸缩杆内杆合适的长度（让吸盘能吸附到车门较为平坦的位置为宜，根据不同车型高度调节），然后重新旋紧旋钮，固定伸缩杆长度。



3. 根据车门表面弧度，调整吸盘的角度，使吸盘与车门表面完全贴合



4. 按压吸盘上方真空泵的按钮，使吸盘牢固吸住车门（以用力向外拉不动伸缩杆即可）

说明：车拍器为什么标配选用磁铁吸盘？

车拍器的承重以棘轮为主；吸盘不是承重受力点，主要起固定位置的作用，防止车拍杆滑动。即使真空吸盘漏气松动，磁铁吸力消失，车拍器不会脱落。车拍器的承重力仍旧保持不变，确保拍摄器材安全。

磁铁吸盘的独特优点：

1. 磁铁吸盘，极寒天气下（零下30度/40度/50度），吸力更加强大；
2. 磁铁吸盘，不受风沙、雨水影响，不用特殊保护。
3. 磁铁磁盘，不会出现真空吸盘在车门上突然漏气后立刻松动的情况。
4. 使用寿命长。
5. 磁铁吸盘安装极为简便，靠近车门，自动吸贴。
6. 磁铁吸盘可以在铁质材料、合金材料的车门上使用；纯铝材料的车门无法使用。
7. 88mm直径磁铁吸盘，吸力40-50公斤。
8. 不伤车门。吸盘外部注塑包胶。

注意：75度以上的高温时，磁铁吸力会下降。如果需要承受更高温度的磁铁吸盘，可以定制。

说明：选配的橡胶真空吸盘有哪些优缺点？

部分全铝车门的车型，由于磁铁吸盘无法吸附，则需使用橡胶真空吸盘，橡胶真空吸盘特点如下：

优点：

1. 所有车型适用。
2. 吸力60公斤。
3. 橡胶皮不伤车门。

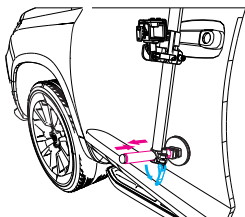
不足：

1. 户外使用，容易受外部环境影响。
2. 极寒天气下（零下30度/40度/50度），吸盘会硬化无法安装。
3. 风沙、泥水对吸盘的品质影响很大，严重影响吸力和寿命。
4. 橡胶真空吸盘如果漏气，会出现松动的情况。

温馨提示：主人可结合两种吸盘的特性，并根据车门材质、使用场景等因素，选择适合的吸盘类型。

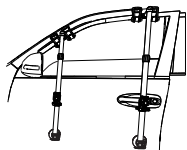
第二部分：横杆高度调节组件的调节

1. 伸缩杆与车门之间的距离调节：



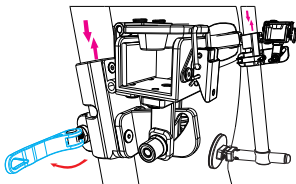
(1). 扳开吸盘支撑杆连接头下方的螺丝扳手，让支撑杆可以在连接头内自由滑动，根据车门开门把手的厚度及相机镜头的长度，调整伸缩杆与车门的距离；以拉动把手，车门能够顺利打开为准。

注意：此时横杆尚未安装，需根据经验预判横杆安装后与车门之间的距离



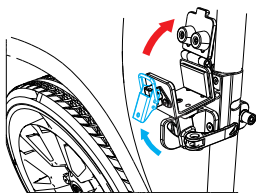
(2). 根据车门的宽度选择合适的安装位置，并以相同的安装方式完成另外一个伸缩杆组件的安装

2. 高度调节:

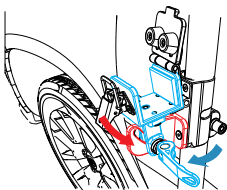


扳开并拧松横杆高度调节块后背的螺栓扳手，让整个横杆高度调节组件可以在伸缩杆上下滑动，让两根伸缩杆的横杆高度调节组件处于相同高度

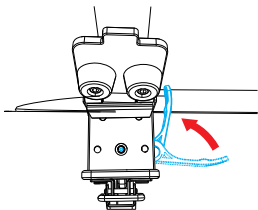
3. 水平调节:



(1). 往上扳飞机搭扣的扳手，让扣环脱离槽盖板，把槽盖板翻开



(2). 扳开并拧松横杆放置槽T型水平调节座的螺栓扳手，让T型调节座组件可以沿着T型支撑座圆弧孔自由滑动

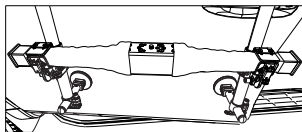
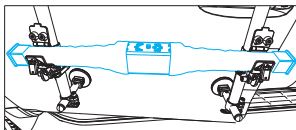
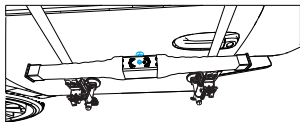


(3). 观察横杆放置槽内的水平珠，调节到里面的水珠在正中间，即说明横杆放置槽已经水平，重新旋紧并扳回T型水平调节座的螺栓扳手，固定调节座组件的位置

说明：调整横杆高度调节块在伸缩杆上的位置，需要根据使用的云台高度、本次拍摄目标物的高度来确定

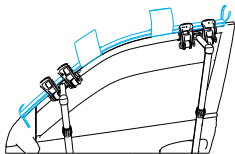
第三部分：横移云台组件安装方法

1. 横移杆组两侧的防尘布套从两侧往中间绷直，滑轨锁定旋钮朝向车门，3/8螺母朝上，从上往下放入横杆放置槽中

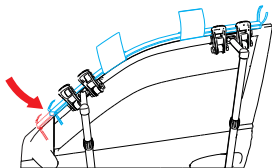


2. 槽盖板合上，飞机搭扣的扣环卡住槽盖板的凹位，压下飞机搭扣的扳手，重新插上插销，槽盖板下方的橡胶脚紧紧压住横杆，完成横移杆组的安装

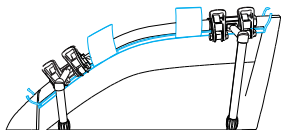
第四部分：防尘防雨条安装方法



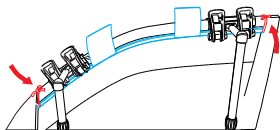
1. 防尘防雨条与车门框对齐



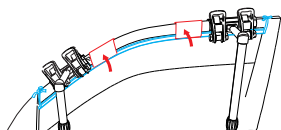
2. 根据汽车门框的长度对防尘防雨条的海绵进行裁切



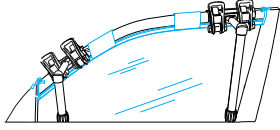
3. 把防尘防雨条置在车门框正下方



4. 分别把防尘防雨条两边的绑绳绑在车门框上

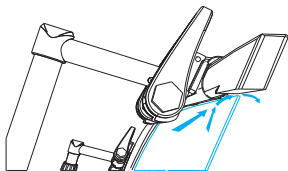


5. 防尘防雨条上的布贴包住车门框并贴紧，让防尘防雨条固定在车门框下方

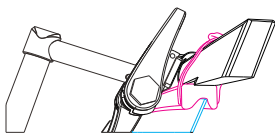


6. 有了防尘防雨条，车窗玻璃升起后可以完全闭合，防止风沙雨雪进入车内

说明：为什么要安装防尘防雨条？



1. 车拍器通过棘轮与车门门框捆绑相连，车窗玻璃升起后，会留有缝隙；风沙尘土会从缝隙处吹进车内，雨水会飞入，极寒天气，汽车保暖效果下降。

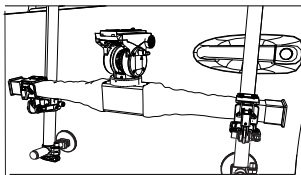


2. 安装防尘防雨条后，升起车窗，玻璃向上顶住防尘防雨条中柔软的海绵芯，海绵与门框的缝隙填平，同时，玻璃与海绵形成一个凹型夹角，彻底封闭，防止灰尘和风沙雨水侵入车内。

第五部分：数码相机的安装方法

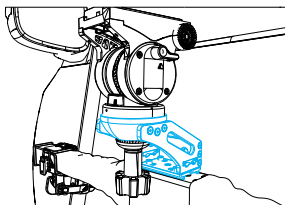
1. 使用机械云台

把机械云台直接旋紧安装在云台滑块座的3/8螺母上

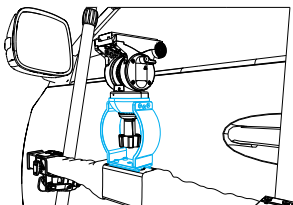


2. 使用碗口云台

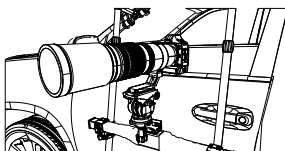
如使用的是碗口云台，则需先在滑块座上安装斜式碗口云台转接座或直立型碗口云台转接座（两个转接座均为选配件，可根据使用拍摄习惯选购）



斜式碗口云台转接座



直立型碗口云台转接座



3. 数码相机（长焦镜头）通过手拧螺母旋紧到云台的快装板上，即可完成安装

温馨提示：如果拍摄位置不够舒适，可再次调整伸缩杆与车门的距离

第三章 产品规格及技术参数

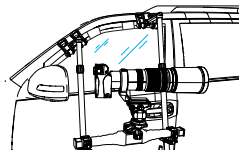
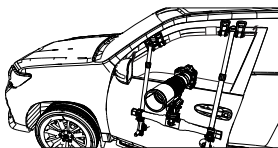
横移云台车拍器主要规格参数:

产品净重	7.5kg
产品包装重量	8kg
产品包装尺寸	900×365×190mm
产品承重	运动状态≤30kg 静止状态≤80kg
产品主要材质	碳素纤维、铝合金
导轨长度	750mm
横移行程	最大500mm
伸缩杆长度	完全收缩780mm,完全打开1210mm
棘轮拉力器拉力	800kg/1个, 4个合计3200kg

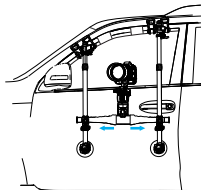
第四章 横移云台车拍器使用技巧

1. 不卸相机可以正常开关车窗，开关车门及正常驾驶车辆

不卸相机，把相机及镜头转至与车门平行的角度，驾驶车辆，跟随动物的移动，停车后，快速转动相机，实现高效精准的拍摄。



2. 云台横移，全视角拍摄窗前目标，并可实现运镜拍摄

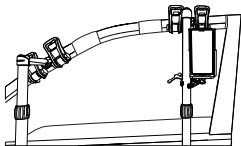
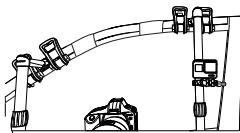


左右横移云台，跟随动物的移动，轻松的全视角拍摄车窗前的动物，大幅度减少摄影人在车内的移动。

让相机保存与车拍器横杆垂直的方向，水平移动云台滑块座，即可平移追随拍摄对象，实现运镜拍摄效果。

3. 可在伸缩杆上架设运动相机、手机

在伸缩车拍杆上可用安装运动相机或手机，拍摄车内车外场景，丰富影像轻松拍



第五章 横移云台车拍器安全注意事项

为安全使用产品,请务必阅读这些注意事项,请遵循这些注意事项,以防止产品使用者或他人受到损害或伤害。

1. 请勿将产品置于高处以免坠落伤人。
2. 请勿强行拆解,避免受伤;请妥善保管螺丝等细小零部件,避免儿童接触,发生意外。
3. 请勿使产品受到强烈撞击。
4. 请勿使用酒精、汽油或油漆稀释剂等有机溶剂清洁产品。
5. 请勿向产品中插入异物或倒入液体。
6. 请勿将产品长时间浸入水中。
7. 请勿在可能存在可燃气体的环境中使用产品。
8. 请勿在雷暴雨天气下在车外安装或操作产品。
9. 请勿在产品上放置超出承重的重物。
10. 请勿让产品触碰电源,以免有触电的风险。
11. 使用产品时,请确认产品已经安装牢固。

保修条款

请保留您的原始购买单据及保修卡,同时包含您的购买日期、产品序列号等,这些资料质保服务时均需要提供。

售后质保条款

SmallRig产品自下单付款之日起享有质保服务。

- 电子产品(除V口电池): 1年质保。
- V口电池: 2年质保。
- 非电子产品: 2年质保。

注:若销售地国家或地区的适用法律法规有冲突的,以销售地国家或地区有关质保期的法律法规为准。

质保无效说明

1. 当用户违反操作指引或用户手册中“重要提示”任何一条导致的质量失效,不在质保范围内。
2. 产品序列号标识已经被撕毁或无法辨识,不在质保范围。
3. 产品使用不当等非产品本身质量问题,而造成的产品损坏,不在质保范围。
4. 非官方指导的私自改装、拆解、维修等行为而造成的损坏,不在质保范围。
5. 因火灾、水灾、雷击等不可抗力造成的产品损坏,不在质保范围。

维修方式

- 属于质保范围的,SmallRig 根据产品具体的故障对产品进行维修或更换;
- 维修后的产品 / 部件享受原有保修期的剩余时长。

联系方式

- 建议您优先前往相应购买平台联系在线客服,提出产品维修申请。
- 您也可以通过 SmallRig 服务邮箱申请维修服务。

服务邮箱:support@smallrig.com

保修卡

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产品名称	
购买日期	
用户姓名	
用户电话	
用户地址	
购买单据	

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